[*Translation*]

Power Projects

5252. SHRI S.N. VEKARIA:
SHRI AVTAR SINGH BHADANA:

Will the Minister of POWER AND NON-CONVENTIONAL ENERGY be pleased to state:

(a) the details of schemes under the consideration of the Government for the construction of the gas based power stations and for the exploration of the non-conventional energy sources in Haryana and Gujarat;

(b) the time by which the construction work of the biggest solar energy Centre of Asia is likely to be completed in Gurgaon; and

(c) the total quantum of energy likely to be generated therefrom?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON CONVENTIONAL ENERGY SOURCES (SHRI KALAP NATH RAI): (a) In the State of Gujarat, 2 nos. of gas based power stations of 615 MW capacity each named as Gandhar CCGT and Pipavav CCGT are under consideration of the Government. In the State of Haryana, Faridabad CCGT gas based power station of 817 MW capacity is also under consideration.

Efforts are being made for development and utilisation of non-conventional energy systems and devices, such as, biogas plant, improved chulhas, solar thermal systems, solar photovaltaic systems, wind energy systems, mini-micro hydel plants, biomass based systems, Urjagram etc. in the States of Gujarat and Haryana. Status of progress made in installation of various renewable energy system and devices in these States is given in Statement 'A'.

(b) and (c) The Department of Non-Conventional Energy Sources has set-up a Solar Energy Centre at Gwalpahari in Gurgaon district of Haryana. The Centre is primarily research centre and is working in the field of development of solar technologies. Solar energy systems and devices installed at the Centre are primarily for research & development and collection of data. A solar thermal power plant of 50 KW capacity having line focussing collector and steam turbine has been set up at the Centre. An amorphous silicon solar cell pilot plant facility has also been set-up at Solar Energy Centre which has a capacity of 500 KWp per annum per shift. The plant is currently under test runs.

STATEMENT 'A'

Status of achievements in respect of various NRSE systems & devices in Gujarat and Haryana

S. No.	Programme Systems and devices	Cummulative achievements upto 31.12.1991 (Numbers)	
		Gujarat	Haryana
1	2	3	4
1.	Biogas Plants	133482	20927
2	Improved Chulhas	60 724	5,75,838
3.	Industrial Solar water heating systems	1376	116
4.	Domestic solar water heaters	4390	33
5.	Solar air heating systems	7	-
6.	Solar timber kilns	16	1
7.	Solar distillation systems	4800	120
8.	Solar cookers	20512	2647
9.	Photovoltaic community TV/lighting systems	51	42
10.	Photovoltaic water pumping systems	98	8
11.	Villages covered with photovoltaic street lights	374	2

S. No.	Programme Systems and devices	Cummulative achievements upto 31.12.1991 (Numbers)	
		Gujarat	Haryana
1	2	3	4
12.	Photovoltaic power plants	1	-
13.	Wind Farm Projects	14.74 MW	-
14.	Water pumping wind mills	103	31
15.	Wind battery chargers	3	-
16.	Wind mapping stations	64	-
17.	Wind monitoring stations	20	-
18.	Urjagrams	13	-
19.	Biomass gasifiers/stirling engines	145	6
20.	Mini-Micro Hydel plants	-	1
21.	Battery operated vehicles	2	-
22.	Alcohol operated buses	-	-